

H6161

$$\begin{array}{r} 18 \\ 10 \\ \hline 90 \\ 18 \\ \hline 270 \end{array}$$

171.

Reel } No. 6161 Date, Aug. 16, 1915
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot/Lead 35 lbs.

Turns Cor'n Depth 1565 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom bn M. foram

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57° Time 1:52 } Air { 65°
Time

Density: Surf. fms.

Wind: Direction NW by N Force 3

Baromet. 30.17 Amt. of Clouds 4 State of Sea N

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Cape Beale Light bears N 73° E (true) 73° 58' 51" distant 19 1/4 miles

Chart used: No. Plotting Sheet No 9 Ed'n 2026

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Gluck Recorder F. T. H. 11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. DOWN.			UP. P. M.				M. DOWN.			UP. M.		
1	21	20	1	51	10	0						
	22	00		50	00	100						
	22	40		49	25	200						
	23	30		48	50	300						
	24	25		48	15	400						
	25	25		47	35	500						
	26	25		46	55	600						
	27	30		46	10	700						
	28	40		45	30	800						
	29	55		44	45	900						
	31	10		44	00	1000						
	32	25		43	15	1100						
	33	40		42	30	1200						
	35	05		41	45	1300						
	36	25		41	00	1400						
	37	45		40	10	1500						
1	38	40	1	39	25	1575	1600					
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
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						3400						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

172.

Dredge } No. 6162 Date, Aug 16, 1915.
Hydrog.

Sdg. Mch. Lucas Reel Lucas Shot Lead } 30 lbs.

Turns ----- Cor'n ----- Depth ----- ⁶ ----- fms.

Sdg. Cup Sft. Soup Amt. Bot'm Sample 500

Character of Bottom

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 57° Time 2:45 P. } Air { 65°
Time

Density: Surf. _____ fms. _____

Wind: Direction NNW to W Force 2

Baromet. 30.18 Amt. of Clouds 5 State of Sea M

Weather

Direction and Force of Current.	Surface	Bottom

Tide

General Locality Off Washington Coast

Position Cape Beale Light bears $N 73^{\circ} E$ (true) distant $18 \frac{1}{4}$ miles

Chart used: No Plotting Sheet Ed'n 197-7
No 9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer *W. Glick* Recorder *Frank* - 11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. DOWN.			UP.		P. M.		M. DOWN.			UP.		M.
2	31	55	2	40	30	0						
	32	25		39	30	100						
	33	15		38	55	200						
	34	15		38	20	300						
	35	20		37	40	400						
2	36	35	2	37	00	500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
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						1900						
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						2100						
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						2300						
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						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 6163. Date, Aug 16, 1915
Hydrog. }

Sdg. Mch. Lucas Reel L Shot Lead 30 lbs.

Turns Cor'n Depth 500 fms.

Sdg. Cup Sft. Soap Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57° Time 3:28 } Air { 64°
Time

Density: Surf. fms.

Wind: Direction NW by W Force 3

Baromet. 30.19 Amt. of Clouds 3 State of Sea M

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Cape Beale Light bears N 73° E (true) distant 18 3/4 miles

Chart used: No. Plotting Sheet No 9 Ed'n 192.8

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. G. Hick Recorder A. R. Whit

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				M. Down.			Up. M.		
3	18	00	3	27	00	0						
	19	00		26	10	100						
	20	00		25	25	200						
	21	00		25	05	300						
	22	10		24	30	400						
3	23	25	3	23	45	500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

174.

Dredge } No. 6164 Date, Aug. 16, 1915
 Hydrog. }
 Sdg. Mch. Lucas Reel L Shot Lead 30 lbs.
 Turns Cor'n Depth 500 fms.
 Sdg. Cup Sft. Soap Amt. Bot'm Sample
 Character of Bottom No bottom

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57° Time 4:15 P } Air { 64°
 Time

Density: Surf. fms.

Wind: Direction N.W. x W Force 3

Baromet. 30.20 Amt. of Clouds 6 State of Sea M

Weather bc

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Off Washington Coast

Position Cape Beale Light bears N 75° E (true) distant 17.8 3/4 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 187.8

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h: m.

Remarks:

Deck Officer Mr. Shepley Recorder Parker

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	11	10	4	11	25
1	11	10	4	11	25
2	11	10	4	11	25
3	11	10	4	11	25
4	11	10	4	11	25
5	11	10	4	11	25
6	11	10	4	11	25
7	11	10	4	11	25
8	11	10	4	11	25
9	11	10	4	11	25
10	11	10	4	11	25
11	11	10	4	11	25
12	11	10	4	11	25
13	11	10	4	11	25
14	11	10	4	11	25
15	11	10	4	11	25
16	11	10	4	11	25
17	11	10	4	11	25
18	11	10	4	11	25
19	11	10	4	11	25
20	11	10	4	11	25
21	11	10	4	11	25
22	11	10	4	11	25
23	11	10	4	11	25
24	11	10	4	11	25
25	11	10	4	11	25
26	11	10	4	11	25
27	11	10	4	11	25
28	11	10	4	11	25
29	11	10	4	11	25
30	11	10	4	11	25
31	11	10	4	11	25
32	11	10	4	11	25
33	11	10	4	11	25
34	11	10	4	11	25
35	11	10	4	11	25
36	11	10	4	11	25
37	11	10	4	11	25
38	11	10	4	11	25
39	11	10	4	11	25
40	11	10	4	11	25
41	11	10	4	11	25
42	11	10	4	11	25
43	11	10	4	11	25
44	11	10	4	11	25
45	11	10	4	11	25
46	11	10	4	11	25
47	11	10	4	11	25
48	11	10	4	11	25
49	11	10	4	11	25
50	11	10	4	11	25

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

175

Dredge } No. 6163 Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot/Lead lbs.
 Turns Cor'n Depth 250 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom No Bottom

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 6 Time 001 Air { 65
 Time

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.6 Amt. of Clouds 4 State of Sea 1/1

Weather sw

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Off Washington Coast

Position Cape Beale Light bears N 73° E (true) distant 17.3 miles

Chart used: No. Plotting Sheet No 9 Ed'n 1875

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

176

Dredge } No. 6166 Date, Aug 19

Sdg. Mch. Reel Shot } 2 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom () J. M. f. m.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56.0 Time 6:00 P.M. } Air { 64.0

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.21 Amt. of Clouds 4 State of Sea 7

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 17.0 miles

Chart used: No. Plotting Sheet No. 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. J. L. Recorder W. J. L.

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

					0
					100
5	34	40	6	02	25
5	40	40	6	01	50
5	41	30	6	01	15
5	42	38	6	00	45
5	43	40	6	00	05
5	44	50	5	59	25
5	46	00	5	58	45
5	47	15	5	58	05
	48	30	5	57	25
	49	55	5	56	45
5	51	05	5	56	05
5	52	30	5	55	20
					1400
					1500
					1600
					1700
					1800
					1900
					2000
					2100
					2200
					2300
					2400
					2500
					2600
					2700
					2800
					2900
					3000
					3100
					3200
					3300
					3400
					3500
					3600
					3700
					3800
					3900
					4000
					4100
					4200
					4300
					4400
					4500
					4600
					4700
					4800
					4900

Dredge } No. 117 Date, , 19
Hydrog. }
Sdg. Mch. Lucas Reel Shot } C 3 lbs.
Lead }
Turns Depth 750 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom No Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 7:00 P } Air { 64
Time

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.21 Amt. of Clouds 4 State of Sea 2

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 16 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n 1728

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
6 43 30	6 55 00		0			
44 15	54 10		100			
45 15	53 35		200			
			300			
47 25	52 20		400			
6 48 40	6 51 40		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

178

Wedge } No. 2100 Date: August 10, 1911

Hydrog. }
Sdg. Mch. Lucas Reel Lucas Shot Lead 15 lbs.

Turns _____ Cor'n _____ Depth 950 fms.

Sdg. Cup Assing (afternoon) Amt. Bot'm Sample _____

Character of Bottom No Bottom

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56.0 Time 7:00 p.m. } Air { 64°
Time _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 3

Baromet. 30.21 Amt. of Clouds 4 State of Sea _____

Weather bc

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 16.1 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 151

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

7 33 45	7 42 30	0
34 30	44 00	100
35 15	45 00	200
36 00	46 00	300
36 45	47 00	400
7 37 15	7 39 25	500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400
		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000
		4100
		4200
		4300
		4400
		4500
		4600
		4700
		4800
		4900

Dredge } No. 6157 Date, 1909
Hydrog. }
Sdg. Mch. Lucas Reel Shot 50 lbs.
Lead 50
Turns Cor'n Depth 200 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 8:20 } Air { 60°
Time

Density: Surf. fms.

Wind: Direction 70° Force 2

Baromet. 30.2 Amt. of Clouds 5 State of Sea 2

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 15 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. G. L. K. Recorder B. L. K.

SOUNDING WIRE.

M. Down. Up. V M.

28	50	3	00
9	40	2	15
		2	40
		3	00
31	50	3	10
33	00	8	3

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Trawl No. 113 Date, , 19
Hydrog. Sdg. Mch. Reel Shot Lead lbs.
Turns Cor'n Depth fms.

Sdg. Cup soft ooze Amt. Bot'm Sample
Character of Bottom m B o t t o m

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 7.5 Air { 59 Time

Density: Surf. fms.

Wind: Direction 116 Force

Baromet. 30.2 Amt. of Clouds 3 State of Sea 2

Weather 1-2

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 15.2 miles

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 15 20		25 00	0			
16 00		24 00	100			
		23 15	200			
18 00		22 40	300			
19 10		22 00	400			
20 40	9 21 00		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

181.

Hydrog. } No. 171 Date, , 19
 Sdg. Mch. Reel Shot 55 lbs.
 Turns Cor'n Depth 1410 fms.
 Sdg. Cup Digshea Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 54 Time Air {
 { Time {
 Density: Surf. fms.
 Wind: Direction NW Force 3
 Baromet. 30.24 Amt. of Clouds 4 State of Sea
 Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 14 7/8 miles

Chart used: No. Plotting Sheet Ed'n No. 9 1563

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

			0
05 20	28 10		100
06 30	28 20		200
07 40	28 30		300
08 10	28		400
09 10	28 0		500
10 10	27 30		600
11 10	26 35		700
12 25	26 10		800
13 10	25 10		900
15 00	24 30		1000
16 10	23 45		1100
17 10	23		1200
18 10	22 10		1300
19 10	21 10		1400
20 10	20 10		1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

782
Dredge } No. 6172 Date, 1915
Hydrog. }
Sdg. Mch. Reel Shot Lead 30 lbs.
Turns Cor'n Depth 75 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 54.0 Time 11 12 } Air { 58.0
Time

Density: Surf. fms.

Wind: Direction NW Force 3

Baromet. Amt. of Clouds 4 State of Sea

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Pachena R. Light bears N 75° E (true) distant 7.43 miles

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
11 05 25	14 50		0			
05 25	15 00		100			
06 35	15 10		200			
07 40	15 20		300			
08 50	15 30		400			
09 55	15 40		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Tredge } No. 6173 Date, 11/11/1915
 Hydrog. }
 Sdg. Mch. 1104 Reel Shot/Lead lbs.
 Turns Cor'n Depth 0 fms.
 Sdg. Cup Amt. Bot'm Sample 500
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time 12:05 Air {
 { Time
 Density: Surf. fms.
 Wind: Direction NW Force 3
 Baromet. 30.27 Amt. of Clouds 5 State of Sea 77
 Weather bc

Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality Off Washington Coast
 Position Pachena Pt. Light bears $76^{\circ}15'$ N $75^{\circ}E$ (true) distant $13\frac{1}{2}$ miles
 Chart used: No. Plotting Sheet Ed'n No 9
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used

Time towing h. m.
 Remarks:

Deck Officer Mr. Chapin Recorder 11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
11 54 05	12 04 45			0			
55 00	03 45			100			
56 15	02 05			200			
57 30	06 50			300			
58 00	06 40			400			
14 00 30	12 00 05			500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

184.

Hydrog. } No. 6174 Date, Aug 17, 1915
Sdg. Mch. Lucas Reel 2 ✓ Shot 30 lbs.
Leads }
Turns _____ Cor'n _____ Depth 0 fms.
Sdg. Cup Sft soap Amt. Bot'm Sample 500
Character of Bottom _____
Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { Time 12:30 a } Air { 58°
 { {
 { Time _____ {
Density: Surf. _____ fms. _____
Wind: Direction NW Force 4
Baromet. 30.27 Amt. of Clouds 1 State of Sea 2
Weather bc
Direction and Force of Current { Surface _____
 { Bottom _____
Tide _____

General Locality Off Washington Coast
Position Pachena Pt. Light bears ^{76°15'} N 75° E (true) distant 13.4 miles
Chart used: No Plotting Sheet No 9 Ed'n
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used _____

Time towing _____ h. _____ m.
Remarks:

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
12 44 25	12 55 00			0			
45 20	57 05			100			
46 30	53 35			200			
48 00	53 05			300			
49 45	52 25			400			
12 51 25	12 52 00			500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

185.

Dredge } No. 615 Date, Sept 17, 19 15
 Hydrog. }
 Sdg. Mch. Lucas Reel 2 Shot/Lead 30 lbs.
 Turns _____ Cor'n _____ Depth 6 fms.
 Sdg. Cup Sft. Sump Amt. Bot'm Sample _____
 Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54° Time 1:44 a } Air { 58°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction NN Force 3

Baromet. 30.26 Amt. of Clouds 2 State of Sea 77

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant
12 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. C. ... Recorder Arthur ...

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 33 45	1 44 35		0			
34 25	41 25		100			
35 10	40 55		200			
36 10	40 20		300			
37 20	39 50		400			
1 38 45	1 39 10		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

186

Dredge } No. 6170 Date, June 17, 1915
 Hydrog. }
 Sdg. Mch. Lucas Reel L Shot 25 lbs.
 Turns _____ Cor'n _____ Depth 1430 fms.
 Sdg. Cup Sigsbee Amt. Bot'm Sample _____
 Character of Bottom brk. sh. spec. cor.
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 57.0 Time 7:54 a } Air { _____
 { _____ Time _____ { _____
 Density: Surf. _____ fms. _____
 Wind: Direction NW Force 3-4
 Baromet. 30.26 Amt. of Clouds 8 State of Sea _____
 Weather br
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 12.5 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 1317

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>7</i> M. DOWN.	UP.	<i>7</i> M.		M. DOWN.	UP.	M.
2 21 30	2 52 25		0			
22 20	51 15		100			
23 20	50 40		200			
24 20	50 00		300			
25 30	49 20		400			
26 40	48 00		500			
28 05	47 15		600			
29 30	46 20		700			
31 00	45 15		800			
32 40	44 40		900			
34 40	43 00		1000			
36 00	42 25		1100			
37 45	41 50		1200			
39 40	41 10		1300			
41 30	40 30		1400			
2 44 35	2 42 10	1430	1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

187

Hydrog. No. 6177 Date, July 17, 1917

Sdg. Mch. Lucas Reel 2 Shot Lead 30 lbs.

Turns Cor'n Depth 0 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make
No.Cor'n { Instr.
Stem.

Bottom Reading

Cor'd Temp.

Temp. Surf. {

Time 3:42

Time

Air {

Density: Surf. fms.

Wind: Direction NW Force 3

Baromet. 30.26 Amt. of Clouds 2 State of Sea 1

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 12 1/2 mile

Chart used: No. Plotting Sheet No. 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

W. S. S.

Recorder

J. H. S.

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
3	32	50	3	41	20		
	33	30		40	25		
	34	20		39	55		
	35	15		38	20		
	36	15		37	50		
3	37	35	3	37	55		
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

188.

Hydrog. No. 6178 Date, Aug 17, 1905
 Sdg. Mch. Lucas Reel L Shot 30 lbs.
 Turns _____ Cor'n _____ Depth 30 fms.
 Sdg. Cup Sgt. Soap Amt. Bot'm Sample _____
 Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54° Time 4:38 a. { 57°
 { _____ Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction N. W Force 3

Baromet. 30.28 Amt. of Clouds 2 State of Sea M

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality, Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 116 miles

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. J. ... Recorder J. ...

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

4 29 20 4 37 40

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

4 30 50 4 36 20

4 31 45 4 35 50

4 32 30 4 35 20

189

Dredge } No. *1* Date *July 1*, 19
 Hydrog. }
 Sdg. Mch. *Lucas* Reel *Lucas* Shot Lead *1* lbs.
 Turns *—* Cor'n *—* Depth *—* fms.
 Sdg. Cup *Lucas* Amt. Bot'm Sample *—*
 Character of Bottom *—*

Thermom. { Make *—* Cor'n { Instr. *—*
 { No. *—* { Stem. *—*

Bottom Reading *—* Cor'd Temp. *—*
 Temp. Surf. { *54°* Time *5:25* } Air { *67°*
 { *—* Time *—* }

Density: Surf. *—* fms. *—*
 Wind: Direction *N. W.* Force *2*
 Baromet. *30.00* Amt. of Clouds *4* State of Sea *1*
 Weather *—*

Direction and Force of Current { Surface
 { Bottom

Tide *—*

General Locality

Off Washington Coast

Position *Pacheco Pt. Light bears N 75° E (true) distant*

Chart used: No. *Plotting Sheet No 9* Ed'n *—*

11 1/2 miles

Drift: Direction

Distance

Depth of Haul

Apparatus and Rig used

Time towing *—* h. *—* m.

Remarks:

Deck Officer *W. H. H. H.* Recorder *J. H. H.*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

190

Dredge } No. 101 Date, Aug 10, 1900
 Hydrog. }
 Sdg. Mch. Lucas Reel Lucas Shot } 30 lbs.
 Lead }
 Turns 10 Cor'n 10 Depth 10 fms.
 Sdg. Cup 1 Amt. Bot'm Sample 1
 Character of Bottom 1

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading ... Cor'd Temp.

Temp. Surf. { 5 Time 6.15 } Air { 61 }
Time

Density: Surf. $\frac{1}{1000}$ 1.015 1.016 1.017 1.018 1.019 1.020 1.021 1.022 1.023 1.024 1.025 1.026 1.027 1.028 1.029 1.030 1.031 1.032 1.033 1.034 1.035 1.036 1.037 1.038 1.039 1.040 1.041 1.042 1.043 1.044 1.045 1.046 1.047 1.048 1.049 1.050 1.051 1.052 1.053 1.054 1.055 1.056 1.057 1.058 1.059 1.060 1.061 1.062 1.063 1.064 1.065 1.066 1.067 1.068 1.069 1.070 1.071 1.072 1.073 1.074 1.075 1.076 1.077 1.078 1.079 1.080 1.081 1.082 1.083 1.084 1.085 1.086 1.087 1.088 1.089 1.090 1.091 1.092 1.093 1.094 1.095 1.096 1.097 1.098 1.099 1.100 1.101 1.102 1.103 1.104 1.105 1.106 1.107 1.108 1.109 1.110 1.111 1.112 1.113 1.114 1.115 1.116 1.117 1.118 1.119 1.120 1.121 1.122 1.123 1.124 1.125 1.126 1.127 1.128 1.129 1.130 1.131 1.132 1.133 1.134 1.135 1.136 1.137 1.138 1.139 1.140 1.141 1.142 1.143 1.144 1.145 1.146 1.147 1.148 1.149 1.150 1.151 1.152 1.153 1.154 1.155 1.156 1.157 1.158 1.159 1.160 1.161 1.162 1.163 1.164 1.165 1.166 1.167 1.168 1.169 1.170 1.171 1.172 1.173 1.174 1.175 1.176 1.177 1.178 1.179 1.180 1.181 1.182 1.183 1.184 1.185 1.186 1.187 1.188 1.189 1.190 1.191 1.192 1.193 1.194 1.195 1.196 1.197 1.198 1.199 1.200 1.201 1.202 1.203 1.204 1.205 1.206 1.207 1.208 1.209 1.210 1.211 1.212 1.213 1.214 1.215 1.216 1.217 1.218 1.219 1.220 1.221 1.222 1.223 1.224 1.225 1.226 1.227 1.228 1.229 1.230 1.231 1.232 1.233 1.234 1.235 1.236 1.237 1.238 1.239 1.240 1.241 1.242 1.243 1.244 1.245 1.246 1.247 1.248 1.249 1.250 1.251 1.252 1.253 1.254 1.255 1.256 1.257 1.258 1.259 1.260 1.261 1.262 1.263 1.264 1.265 1.266 1.267 1.268 1.269 1.270 1.271 1.272 1.273 1.274 1.275 1.276 1.277 1.278 1.279 1.280 1.281 1.282 1.283 1.284 1.285 1.286 1.287 1.288 1.289 1.290 1.291 1.292 1.293 1.294 1.295 1.296 1.297 1.298 1.299 1.300 1.301 1.302 1.303 1.304 1.305 1.306 1.307 1.308 1.309 1.310 1.311 1.312 1.313 1.314 1.315 1.316 1.317 1.318 1.319 1.320 1.321 1.322 1.323 1.324 1.325 1.326 1.327 1.328 1.329 1.330 1.331 1.332 1.333 1.334 1.335 1.336 1.337 1.338 1.339 1.340 1.341 1.342 1.343 1.344 1.345 1.346 1.347 1.348 1.349 1.350 1.351 1.352 1.353 1.354 1.355 1.356 1.357 1.358 1.359 1.360 1.361 1.362 1.363 1.364 1.365 1.366 1.367 1.368 1.369 1.370 1.371 1.372 1.373 1.374 1.375 1.376 1.377 1.378 1.379 1.380 1.381 1.382 1.383 1.384 1.385 1.386 1.387 1.388 1.389 1.390 1.391 1.392 1.393 1.394 1.395 1.396 1.397 1.398 1.399 1.400 1.401 1.402 1.403 1.404 1.405 1.406 1.407 1.408 1.409 1.410 1.411 1.412 1.413 1.414 1.415 1.416 1.417 1.418 1.419 1.420 1.421 1.422 1.423 1.424 1.425 1.426 1.427 1.428 1.429 1.430 1.431 1.432 1.433 1.434 1.435 1.436 1.437 1.438 1.439 1.440 1.441 1.442 1.443 1.444 1.445 1.446 1.447 1.448 1.449 1.450 1.451 1.452 1.453 1.454 1.455 1.456 1.457 1.458 1.459 1.460 1.461 1.462 1.463 1.464 1.465 1.466 1.467 1.468 1.469 1.470 1.471 1.472 1.473 1.474 1.475 1.476 1.477 1.478 1.479 1.480 1.481 1.482 1.483 1.484 1.485 1.486 1.487 1.488 1.489 1.490 1.491 1.492 1.493 1.494 1.495 1.496 1.497 1.498 1.499 1.500 1.501 1.502 1.503 1.504 1.505 1.506 1.507 1.508 1.509 1.510 1.511 1.512 1.513 1.514 1.515 1.516 1.517 1.518 1.519 1.520 1.521 1.522 1.523 1.524 1.525 1.526 1.527 1.528 1.529 1.530 1.531 1.532 1.533 1.534 1.535 1.536 1.537 1.538 1.539 1.540 1.541 1.542 1.543 1.544 1.545 1.546 1.547 1.548 1.549 1.550 1.551 1.552 1.553 1.554 1.555 1.556 1.557 1.558 1.559 1.560 1.561 1.562 1.563 1.564 1.565 1.566 1.567 1.568 1.569 1.570 1.571 1.572 1.573 1.574 1.575 1.576 1.577 1.578 1.579 1.580 1.581 1.582 1.583 1.584 1.585 1.586 1.587 1.588 1.589 1.590 1.591 1.592 1.593 1.594 1.595 1.596 1.597 1.598 1.599 1.600 1.601 1.602 1.603 1.604 1.605 1.606 1.607 1.608 1.609 1.610 1.611 1.612 1.613 1.614 1.615 1.616 1.617 1.618 1.619 1.620 1.621 1.622 1.623 1.624 1.625 1.626 1.627 1.628 1.629 1.630 1.631 1.632 1.633 1.634 1.635 1.636 1.637 1.638 1.639 1.640 1.641 1.642 1.643 1.644 1.645 1.646 1.647 1.648 1.649 1.650 1.651 1.652 1.653 1.654 1.655 1.656 1.657 1.658 1.659 1.660 1.661 1.662 1.663 1.664 1.665 1.666 1.667 1.668 1.669 1.670 1.671 1.672 1.673 1.674 1.675 1.676 1.677 1.678 1.679 1.680 1.681 1.682 1.683 1.684 1.685 1.686 1.687 1.688 1.689 1.690 1.691 1.692 1.693 1.6

Wind: Direction Force

Baromet. 30.30 Amt. of Clouds 3 State of Sea ..

Weather

<i>Direction and Force of Current.</i>	{ Surface
	{ Bottom

Tides 900-901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597,

General Locality ... *Off Washington Coast*

Position Pachea Pt. Light bears $N 76^{\circ} E$ (true) distant

Chart used: No. *Plotting Sheet* Ed'n *107 miles*
109

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder *Carver*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

191

Dredge } No. 6 Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot Lead 35 lbs.
 Turns Cor'n Depth 1439 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom Brown mud, forams
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time 5 } Air {
 { Time
 Density: Surf. fms.
 Wind: Direction 1.4 Force
 Baromet. 30.32 Amt. of Clouds 4 State of Sea M
 Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 7.2 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. W. A. Dwyer Recorder 1000

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

7 18 20
17 17 17

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____, 19__
Hydrog. }

Sdg. Mch. *Lucas* Reel *Lucas* Shot *Lucas* lbs.

Turns ----- Cor'n ----- Depth ⁰/₅₀₀ fms.

 Sdg. Cup | | Amt. Bot'm Sample |

Character of Bottom 1.5 - 2.0

Thermom. { Make
No. Cor'n { Instr.
Stem.

Bottom Reading . . . Cor'd Temp. _____

Temp. Surf. { 58° Time 8:00 } Air { 61°
Time

Density: Surf. _____ fms. _____

Wind: Direction 220 Force 3

Baromet. 30.32 Amt. of Clouds 4 State of Sea 2

Weather *Sec*

Direction and Force of Current. { Surface
 { Bottom

Title _____

General Locality *Off Washington Coast*

Position Pachena Pt. Light bears $N 75^{\circ} E$ (true) distant

Chart used: No *Plotting Sheet* Ed'n *98 miles*
No *9*

Drift: Direction	Distance
------------------	----------

Depth of Haul _____

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>A</i> M. Down.	Up.	<i>A</i> M.		M. Down.	Up.	M.
<i>8 05 25</i>	<i>8 05 10</i>		0			
<i>8 00 20</i>	<i>8 05 05</i>		100			
<i>01 15</i>	<i>07 55</i>		200			
<i>02 30</i>	<i>07 50</i>		300			
<i>03 45</i>	<i>07 45</i>		400			
<i>8 05 10</i>	<i>8 05 35</i>		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

193

Bridge } No. 6103 Date, Aug 17, 1912
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 50 lbs.
Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 9:00 Air { 60°
 { { {
 { { {

Density: Surf. fms.

Wind: Direction N.W. Force 3

Baromet. 30.32 Amt. of Clouds 4 State of Sea

Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 76° E (true) distant 9 3/4 miles

Chart used: No Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer T. G. G. Recorder 11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.								
M. Down.			Up.				M. Down.			Up.			M.		
8	51	15	10	00	25	0									
	51	53		59	30	100									
	52	50		58	55	200									
	52	55		58	15	300									
	55	05		57	30	400									
8	56	30	8	56	40	500									
						600									
						700									
						800									
						900									
						1000									
						1100									
						1200									
						1300									
						1400									
						1500									
						1600									
						1700									
						1800									
						1900									
						2000									
						2100									
						2200									
						2300									
						2400									
						2500									
						2600									
						2700									
						2800									
						2900									
						3000									
						3100									
						3200									
						3300									
						3400									
						3500									
						3600									
						3700									
						3800									
						3900									
						4000									
						4100									
						4200									
						4300									
						4400									
						4500									
						4600									
						4700									
						4800									
						4900									

Dredge } No. 6164 Date, Aug 17, 1914
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot Lead 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amine Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading

Cor'd Temp.

Temp. Surf. { 56°

Time

Time

Air { 62°

Density: Surf.

fms.

Wind: Direction NE

Force 3

Baromet. 30.32

Amt. of Clouds 4

State of Sea 1/4

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant

Chart used: No Plotting Sheet No 9 Ed'n

89 miles

Drift: Direction

Distance

Depth of Haul

Apparatus and Rig used

Time towing

h.

m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 40 00	9 50 10		0			
41 00	42 50		100			
42 05	43 50		200			
42 35	44 30		300			
43 05	45 40		400			
44 10	46 30		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

1905

Dredge } No. 6185 Date, August 17, 1910
Hydrog. }

Sdg. Mch. Lucas Reel Shot Lead } 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Corning Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 10:00 Air { 12°
Time

Density: Surf. fms.

Wind: Direction 2/26 Force 3-4

Baromet. 30.23 Amt. of Clouds 13 State of Sea M

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant 8 1/2 mile

Chart used: No. Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 26 55	10 35 40		0			
27 20	32 25		100			
28 25	34 10		200			
29 30	35 40		300			
30 40	33 20		400			
10 31 5	10 32 40		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Hydrog.~~ } No. 6166 Date, Aug 17, 1915

Sdg. Mch. Sigsbee Reel Lucas Shot 100 lbs.

Turns _____ Cor'n _____ Depth 1432 fms.

Sdg. Cup Lucas Amt. Bot'm Sample _____

Character of Bottom fine, foramin.

Thermom. { Make _____
No. _____

Cor'n { Instr. _____
Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 12:00 Mer. { 62°
Time _____ Air { _____

Density: Surf. _____ fms. _____

Wind: Direction W. N. W. Force 4

Baromet. 30.24 Amt. of Clouds 1 State of Sea M.

Weather bc

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Pachena Pt. Light bears N 75° E (true) distant
8.2 miles

Chart used: No Plotting Sheet No 9 Ed'n 833

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer Mr. E. J. ... Recorder ...

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		M. Down.	Up.	M.
11 13 20	11 40 00		0			
14 00	39 00		100			
14 45	38 20		200			
15 40	37 45		300			
16 35	37 05		400			
17 40	36 25		500			
18 45	35 45		600			
19 50	35 10		700			
21 00	34 30		800			
22 10	33 50		900			
23 30	33 10		1000			
24 45	32 30		1100			
26 10	31 45		1200			
27 30	31 00		1300			
28 50	30 10		1400			
11 29 20	11 30 00		1500	14 32		
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

197

Dead } No. 6187 Date, Aug 17, 1911
Hydrog. }
 Sdg. Mch. Allen Reel 1 Shot 30 lbs. Lead 30 lbs.

Sdg. Mch. Reel Shot 30 lbs.
Lead

Turns Cor'n Depth $\frac{2}{100}$ fms

Sdg. Cup	Amt. Bot'm Sample
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem -----

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 12²⁸ } Air { 62° }

Density: Surf. _____ fms _____

Wind: Direction WNW Force 1

Baromet.	30.0	Amt. of Clouds	1	State of Sea	2
----------	------	----------------	---	--------------	---

Weather

Direction and Force of Current. { Surface
{ Bottom.

Tide

General Locality

Off Washington Coast

Position Leonard Is. Light bears N44°E (true) dist 59 miles

Chart used: No. Plotting Sheet Ed'n 109

Drift: Direction

Distance

Depth of Haul

Apparatus and Rig used

Time towing _____ h, _____ m.

Remarks:

Deck Officer

Recorder

Blaker

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
12 20 40		25 30		0			
21 30		27 00		100			
22 20		27 30		200			
23 10		26 00		300			
14 00		26 00		400			
15 00		25 00		500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

177
Dredge } No. 5179 Date, Aug 22, 1902
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 30 lbs.
Turns Cor'n Depth 5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 1:31 } Air { 62°
Time

Density: Surf. fms.

Wind: Direction 21 Force 5

Baromet. 30.25 Amt. of Clouds 1 State of Sea 7.

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Leonard Is. Light bears N 44° E (true) distant 5.4 miles

Chart used: No. Plotting Sheet No 9 Ed'n 77.

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Thayer Recorder Blake

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 22 15	3 10 00		0			
1 22 00	3 10 10		100			
1 22 40	3 10 20		200			
1 22 55	3 10 30		300			
1 23 55	3 10 40		400			
1 24 20	3 10 50		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6189 Date, Aug 17, 1902

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Soft Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 2.20 Air {

Density: Surf. fms.

Wind: Direction WNW Force 2

Baromet. 30.1 Amt. of Clouds 1 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Off Washington Coast

Position Leonard Is. Light bears N 44° E (true)

Chart used: No. Plotting Sheet No 9 distant 49 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Mr. Shipley

Recorder

Blaker

SOUNDING WIRE.

M. Down.	Up.	M.
2 11 50	1 18 35	
12 50	1 18 50	
13 50	1 17 20	
14 50	1 16 30	
15 10	2 16 30	

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 12 Date, 1909
Hydrog. }
Sdg. Mch. Reel Shot, Lead lbs.
Turns Cor'n Depth 0 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom M. S.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 5 Air {
Time

Density: Surf. fms.

Wind: Direction NW Force 5

Baromet. 30.4 Amt. of Clouds 1 State of Sea 7

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Off Washington Coast

Position 62° 46' Leonard Is. Light bears N 43° E (true)

Chart used: No. Plotting Sheet Ed'n distant 4.4 miles
1109

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder Baker

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 54 00	07 40		0			
			100			
3 00 30	07 30		200			
01 00	07 20		300			
02 50	05 10		400			
04 00	04 00		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 6131 Date, June 1, 1901
 Sdg. Mch. Lucas Reel 1 Shot 1 lbs.
 Turns 705 Cor'n 705 Depth 705 fms.
 Sdg. Cup Sigsbee Amt. Bot'm Sample 705
 Character of Bottom gn. M.
 Thermom. { Make Lucas Cor'n { Instr. Lucas
 { No. 705 { Stem. 705
 Bottom Reading 705 Cor'd Temp. 705
 Temp. Surf. { 56.0 Time 4:02 P } Air { 63
 { 705 Time 705 }
 Density: Surf. 705 fms. 705
 Wind: Direction W. S. W. Force 5
 Baromet. 30.0 Amt. of Clouds 1 State of Sea 705
 Weather bc

Direction and Force of Current { Surface 705
 { Bottom 705

Tide 705

General Locality Off Washington Coast
 Position Pachau Pt
Lemard Is. Light bears N 42 1/2° E (true)
 Chart used: No. Plotting Sheet distant 39 miles
 Drift: Direction 705 Distance 705
 Depth of Haul 705
 Apparatus and Rig used 705

Time towing 705 h. 705 m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

47 30	4	00 00	0
48 30		59 50	100
49 30		58 50	200
50 30		57 40	300
51 30		57 10	400
52 30		56 35	500
53 30		56 05	600
54 30		55 35	700
55 30	3	55 10	800
			900
			1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400
			2500
			2600
			2700
			2800
			2900
			3000
			3100
			3200
			3300
			3400
			3500
			3600
			3700
			3800
			3900
			4000
			4100
			4200
			4300
			4400
			4500
			4600
			4700
			4800
			4900

202
 Hydrog. No. 612 Date, Aug 17, 1915
 Sdg. Mch. Lucas Reel L. Shot Lead 30 lbs.
 Turns Cor'n Depth 300 fms.
 Sdg. Cup Sft. Soap. Amt. Bot'm Sample
 Character of Bottom gy. M.
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 56° Time 4:47 P. } Air { 61°
 Time
 Density: Surf. fms.
 Wind: Direction WNW Force 5
 Baromet. 30.33 Amt. of Clouds 1 State of Sea II
 Weather bc

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Off Washington Coast

Position Packard Pt. 88° 11' N
 124° 2 1/2' W (true)
 Chart used: No. Plotting Sheet No. 9 Ed'n distant 34 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Connelley

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
4 26 20	✓	45 20	0			
28 05		42 00	100			
26 00		44 30	200			
4 11 05	✓	11 45	300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 6193 Date, Aug 17, 19 1915
 Sdg. Mch. Lucas Reel 2 Shot/Lead 30 lbs.
 Turns _____ Cor'n _____ Depth 180 fms.
 Sdg. Cup Sgt. Lucas Amt. Bot'm Sample _____
 Character of Bottom fine sand
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 52° Time 5:28 } Air { 64°
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction WNW Force 4
 Baromet. 30.32 Amt. of Clouds 1 State of Sea 1
 Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Leeward Is. Light bears N 40 1/2° E (true) distant 29 miles
88° 30'

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. C. Lucas Recorder W. C. Lucas

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5 22 30	5 27 10		0			
24 30	26 15		100			
5 28 45	5 25 40	180	200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
A	M. Down.	Up.	A		M. Down.	Up.	M.
				0			
701		10		100			
1043	35	1044	10	200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 1111
Hydrog. } Date, _____, 19__

Sdg. Mch. _____ Reel _____ Shot } 30 lbs.
Lead }

Turns	Cor'n	Depth	fms.
1		10	10
2		20	20
3		30	30
4		40	40
5		50	50
6		60	60
7		70	70
8		80	80
9		90	90
10		100	100
11		110	110
12		120	120
13		130	130
14		140	140
15		150	150
16		160	160
17		170	170
18		180	180
19		190	190
20		200	200
21		210	210
22		220	220
23		230	230
24		240	240
25		250	250
26		260	260
27		270	270
28		280	280
29		290	290
30		300	300
31		310	310
32		320	320
33		330	330
34		340	340
35		350	350
36		360	360
37		370	370
38		380	380
39		390	390
40		400	400
41		410	410
42		420	420
43		430	430
44		440	440
45		450	450
46		460	460
47		470	470
48		480	480
49		490	490
50		500	500
51		510	510
52		520	520
53		530	530
54		540	540
55		550	550
56		560	560
57		570	570
58		580	580
59		590	590
60		600	600
61		610	610
62		620	620
63		630	630
64		640	640
65		650	650
66		660	660
67		670	670
68		680	680
69		690	690
70		700	700
71		710	710
72		720	720
73		730	730
74		740	740
75		750	750
76		760	760
77		770	770
78		780	780
79		790	790
80		800	800
81		810	810
82		820	820
83		830	830
84		840	840
85		850	850
86		860	860
87		870	870
88		880	880
89		890	890
90		900	900
91		910	910
92		920	920
93		930	930
94		940	940
95		950	950
96		960	960
97		970	970
98		980	980
99		990	990
100		1000	1000

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
---------------------------	--------------------------

Character of Bottom ----- v i s u a l

Thermom. { Make
 { No.

Cor'n { Instr.
 { Stem.

Bottom Reading Cor'd Temp. -----

Temp. Surf.	Time	Air

Density: Surf. $\frac{1}{1000}$ fms: $\frac{1}{1000}$

Wind: Direction *NE* Force *2*

<i>Baromet.</i>	<i>Amt. of Clouds</i>	<i>State of Sea</i>
-----------------	---------------------------	-------------------------

Weather _____

Direction and Force of Current.	{	Surface	-----
		Bottom	-----

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General Locality off Washington Coast
Cape Shoalwater Light bears N 68° E (true) distant
21.5 miles

Position

Chart used: No. 6100 Ed'n

Drift: Direction *Distance*

Depth of Haul

Apparatus and Rig used

Time towing *h.* *m.*

Remarks:

Deck Officer, Recorder

SOUNDING WIRE.

M. Down. Up. A. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

11	01	40	11	06	00	0
11			11			100
11						200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
						1500
						1600
						1700
						1800
						1900
						2000
						2100
						2200
						2300
						2400
						2500
						2600
						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

Turns Cor'n..... Depth 191 fms.

Sdg. Cup *100 mg (100%)* Amt. Bot'm Sample -----

Character of Bottom 0 1/2 m. S. of ... 1 fms. ...

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading Cor'd Temp.

Temp. Surf. {	Time	Air
	Time	

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.0 Amt. of Clouds 9 State of Sea N

Weather

Direction and Force of Current. { Surface _____
{ Bottom _____

Title _____

General Locality Off Washington Coast

Position Cape Shoalwater light bears $N 70^{\circ} E$ (true) 10.5 miles distant.

Chart used: No. 6100 distance 22.4 miles Ed'n ..

Drift: Direction *Distance*

Depth of Haul _____

Apparatus and Rig used

Time towing $\frac{\text{h.}}{\text{m.}}$

Remarks:

Deck Officer W. S. ... Recorder ...

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
18	40	11	2	1	25	
20	10	11	20	20	19	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 11 Date, , 19
Hydrog. }
Sdg. Mch. (C. 1000) Reel (C. 1000) Shot } 30 lbs.
Lead }

Turns .. Cor'n .. Depth 177 fms.

Sdg. Cup .. Amt. Bot'm Sample

Character of Bottom (Mudree ..)

Thermom. { Make .. Cor'n { Instr. ..
No. .. Stem. ..

Bottom Reading .. Cor'd Temp. ..

Temp. Surf. { 56° Time 11:40 } Air { 63°
Time ..

Density: Surf. .. fms. ..

Wind: Direction 1100 Force ..

Baromet. 30.14 Amt. of Clouds 9 State of Sea M

Weather ..

Direction and Force of Current { Surface ..
Bottom ..

Tide ..

General Locality Off Washington Coast

Position ..

Chart used: No. 6100 Ed'n ..

Drift: Direction .. Distance ..

Depth of Haul ..

Apparatus and Rig used ..

Time towing h. m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

11 | 36 | 43 | 11 | 36 | 53 | 17 | 200-

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 1 Date, 1881, 19
Hydrog. }
Sdg. Mch. Lucas Reel 1 Shot/Lead 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup 6 mugs Amt. Bot'm Sample

Character of Bottom V V Green mud & Haddock

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction NNE Force

Baromet. Amt. of Clouds 1 State of Sea

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Cape Shoalwater Light bears N 72 1/2° E (true) distant 24.3 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.			M. Down.	Up.	M.
<i>12 51 11</i>	<i>12 14 10</i>			0			
<i>12</i>	<i>12</i>			100			
<i>12</i>	<i>12</i>			200			
<i>12 10 25</i>	<i>12 10 30</i>		<i>0</i>	300			
			<i>300</i>	400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. *112* Date, *Aug 7*, 19
 Hydrog. }
 Sdg. Mch. *Lucas* Reel *Lucas* ~~Shot~~ Lead *30* lbs.
 Turns Cor'n. Depth *284* fms.
 Sdg. Cup *Ref. scoop* Amt. Bot'm Sample
 Character of Bottom *fine sand & shells*
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp. ..
 Temp. Surf. { *56* Time *12.20* } Air { *63*
 { Time {
 Density: Surf. fms.
 Wind: Direction *NO by N* Force
 Baromet. *30.15* Amt. of Clouds State of Sea
 Weather *bc*
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality *Off Washington Coast*
 Position *Cape Shoalwater Light bears N 76° E (true) distant 24.6 miles*
 Chart used: No. *6100* Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

12	34	45	12	40	35	0
12			12			100
12			12			200
12	37	00	12	37	20	284
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
						1500
						1600
						1700
						1800
						1900
						2000
						2100
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						2900
						3000
						3100
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						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

Dredge } No. 116 Date, Sept 4, 1915
Hydrog. }
Sdg. Mch. Reel Shot Lead 30 lbs.
Turns Cor'n Depth 264 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Green
Thermom. { Make Cor'n { Instr.
 { No. { Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { 56 Time 1:00 } Air { 66
 { { { {
 { { { {
Density: Surf. fms.
Wind: Direction Wby N Force 3
Baromet. 30.17 Amt. of Clouds 5 State of Sea 7.7
Weather
Direction and Force of Current { Surface
 { Bottom
Tide
General Locality Off Washington Coast
Position Cape Shoalwater light bears N 78° E (true)
Chart used: No. 6100 distant 24.3 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing h. m.
Remarks:

SOUNDING WIRE.

FMS.

DREDGING CABLE.

☒ M. DOWN. UP. ☒ M.

M. DOWN. UP. M.

12	5700	1	02	40	0
12		1			100
12		1			200
12	5700	2	51	20	300
					400
					500
					600
					700
					800
					900
					1000
					1100
					1200
					1300
					1400
					1500
					1600
					1700
					1800
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					3000
					3100
					3200
					3300
					3400
					3500
					3600
					3700
					3800
					3900
					4000
					4100
					4200
					4300
					4400
					4500
					4600
					4700
					4800
					4900

Dredge } No. 11
Hydrog. }

Date, 2-28-44, 1944

Sdg. Mch. _____ Reel _____ Shot 20 lbs.
Lead _____

Turns	Cor'n	Depth	12	fms.
-------	-------	-------	----	------

Sdg. Cup	Amt. Bot'm Sample
10-1-10	

Character of Bottom (H. C. ...)

Thermom. { Make
 { No.

Cor'n { Instr.
 { Stem.

Bottom Reading, Cor'd Temp.

Temp. Surf. { 51 Time / 12 } Air { 66°

Density: Surf. _____ fms. _____

Wind: Direction 10 x 7L Force 3

Baromet. 30.17. Amt. of Clouds 7 State of Sea 7-11

Weather

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Tide .

General Locality Off Washington Coast

Position Cape Shoalwater Light bears $N 80\frac{1}{2}^{\circ} E$ (true) ...
 distant 24 miles

Chart used: No. 6100 Ed'n

Drift: Direction *Distance*

Depth of Haul

Apparatus and Rig used

Time towing _____ h. _____ m.

Remarks:

Deck Officer W. H. H. Recorder W. H. H.

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	✓	M.		M. Down.	Up.	M.
1	11	55	1	0			
1	19	40	1	100			
1	19	40	1	200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 116203 Date, Sept 1, 1912
Hydrog. }

Sdg. Mch. 8 lec Reel Shot Lead 30 lbs.

Turns Cor'n Depth 17 fms.

Sdg. Cup 14 2001 Amt. Bot'm Sample

Character of Bottom 2 fine

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56 Time 1 Air { 66°

Density: Surf. fms.

Wind: Direction W x N Force 3

Baromet. 30.7 Amt. of Clouds 7 State of Sea 7/1

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Cape Shoalwater Light bears N 83° E (true) distant 23.7 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

J M. Down. Up. M.

1 | 37 | 30 | 39 | 50 |
 30 30 1 27 47 97

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11
Dredge } No. *H 6204* Date, _____, 19 *05*
Hydrog. }
Sdg. Mch. *Elec* Reel _____ Shot _____ lbs.
Lead }
Turns _____ Cor'n _____ Depth *67* fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom *2* _____
Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { *56* Time *1:57* } Air { *66°*
 { Time } {
Density: Surf. _____ fms. _____
Wind: Direction *10 x 7* Force *3*
Baromet. _____ Amt. of Clouds *7* State of Sea *1/2*
Weather *bc*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide . . .

General Locality *Off Washington Coast*

Position *Cape Shoalwater Light bears N 85° E (true)*
constant 23.8 miles
Chart used: No. *6100* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used .

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder *Blaker*

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
1	34.30	1	56.35	0			
1	55.20	1	55.25	87-100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
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				1600			
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				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Bredge } No. 46 Date, Sept 4, 1918
 Hydlog. }

Sdg. Mch. 01 Reel 25 Shot } 30 lbs.
 Lead }

Turns _____ Cor'n _____ Depth 20 fms.

Sdg. Cup 2 1/2 Amt. Bot'm Sample _____

Character of Bottom fine sand

Thermom. { Make _____
 No. _____

Cor'n { Instr. _____
 Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 2:15 P } Air { 62°
 Time _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 2

Baromet. 30.1 Amt. of Clouds 2 State of Sea M

Weather bc

Direction and Force of Current { Surface _____
 Bottom _____

Tide _____

General Locality Off Washington Coast

Position Cape Shoalwater Light bears N 86° E (true)
distant 24.7 miles

Chart used: No. 6100 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer A. C. [unclear] Recorder [unclear]

SOUNDING WIRE.						FMS:	DREDGING CABLE.			
P.	M.	Down.	Up.	P.	M.		M.	Down.	Up.	M.
2	11	00	2	13	00	0				
2	11	40	2	11	55	90 100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
						1000				
						1100				
						1200				
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						1700				
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						2800				
						2900				
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						3100				
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						3300				
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						3800				
						3900				
						4000				
						4100				
						4200				
						4300				
						4400				
						4500				
						4600				
						4700				
						4800				
						4900				

Dredge } No. 46206 Date, Aug 11, 1908Sdg. Mch. _____ Reel 5 Shot/Lead 30 lbs.Turns _____ Cor'n _____ Depth 94 fms.Sdg. Cup Aluminum Amt. Bgt'm Sample _____Character of Bottom fine gy. L.Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56.0 Time 21.30 } Air { 60.0
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction N x E Force 3Baromet. 30.15 Amt. of Clouds 3 State of Sea MWeather bcDirection and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington CoastPosition Cape Shoalwater Light bears N 86 1/2° E (true)Chart used: No. 6100 Ed'n _____ distant 25.7 miles

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer Mr. Ship Recorder (B. A.)

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

2	26	15	2	28	25	0
2	26	55	2	27	55	400
						200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
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						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

Dredge } No. 1624 Date, Sept 4, 1915
Hydrog. }Sdg. Mch. Elect Reel Elect Shot } 3.0 lbs.
Lead }

Turns Cor'n Depth 136.5 fms.

Sdg. Cup Armistead Amt. Bot'm Sample

Character of Bottom Blue M. fm 2

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 2:44 Air { 6.5
Time

Density: Surf. fms.

Wind: Direction N x N Force 3

Baromet. 30.15 Amt. of Clouds 3 State of Sea M

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Cape Sable N 87° E 12.67 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance.

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
42 00	2 45 30		0			
43 10	2 52 30		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 46208 Date, Sept 4, 19 15
 Hydrog. }
 Sdg. Mch. Elect Reel Elect Shot Lead 30 lbs.
 Turns _____ Cor'n _____ Depth 109 fms.

Sdg. Cup Arming (soft sea) Amt. Bot'm Sample _____
 Character of Bottom fine gy. s.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 3:02 } Air { 64°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction N.W. x W. Force 3

Baromet. 30.13 Amt. of Clouds .2 State of Sea M.

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Washington Coast

Position Cape Shoalwater Light bears N 88° E (true)

Chart used: No. 6100 Ed'n _____ distant 27.5 miles

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Shepley Recorder C. E. DeLong

SOUNDING WIRE.					FMS.	DREDGING CABLE.							
M. Down.		Up.	M.			M. Down.		Up.	M.				
2	59	20	3	01	50	0							
3	00	10	3	00	25	109 100							
						200							
						300							
						400							
						500							
						600							
						700							
						800							
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						4100							
						4200							
						4300							
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						4800							
						4900							

Dredge } No. *H 6209* Date, *Sept 4*, 19*15*
Hydrog. }

Sdg. Mch. *Elect* Reel *Elect* Shot } 30 lbs.
Lead }

Turns _____ Cor'n _____ Depth *122.5* fms.

Sdg. Cup *Coring (soft soap)* Amt. Bot'm Sample _____

Character of Bottom *(fine gy S) fine gn S, gn M, co blk S*

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { *56.0* Time *3:20 p* } Air { *64.0*
Time _____

Density: Surf. _____ fms. _____

Wind: Direction *NW x W* Force *3*

Baromet. *30.13* Amt. of Clouds *.2* State of Sea *M*

Weather *bc*

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality *Off Washington Coast*

Position *Cape Shoalwater Light bears N 88 1/2° E (true) distant 28.5 miles*

Chart used: No. *6100* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

*checked
RYS*

Deck Officer *Mr. Shepley* Recorder *C. E. Long*

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
P. M. Down.		Up.	P. M.			M. Down.		Up.	M.			
3	15	30	3	18	35	0						
3	16	40	3	17	00	122 100						
						200						
						300						
						400						
						500						
						600						
						700						
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